

California Weather-Hydro Conditions during April 2007

As of May 1, Water Year 2007 statewide hydrologic conditions were as follows: precipitation, 65% of average to date; runoff, 55% of average to date; and reservoir storage, 105% for the date. On April 1, the statewide snow pack was about 40% of the April 1 average (the usual date of maximum accumulation). This is the smallest snowpack for April 1 since 1988 when the statewide snowpack was at 30 percent of the April 1 average. On May 1, 2007, the statewide snowpack was only about 30% of normal due to below-normal snowfall and above-normal temperatures during April. In general, seasonal precipitation during this water year has been below average, especially in Southern California. On April 30, the Northern Sierra 8-Station Index had a seasonal total of 34.3", which is about 75% of the seasonal average to date and about 69% of average for an entire Water Year (50.0"). During Water Year 2007, the Northern Sierra 8-Station Index had the sixth driest January and March on record. The Water Year 2007 October through April seasonal total of 34.3" is the 26th driest year out of 88 years of record.

The projected median April-July unimpaired snowmelt runoff for the State's major water supply basins now ranges from 66% (McCloud River) to 31% (Kern River). Sacramento River unimpaired runoff observed through April 30 was about 7.8 million acre-feet (MAF), which is about 55% of average. (On April 30, 2006, the observed Sacramento River unimpaired runoff through that date was about 24.6 MAF or about 180% of average.) The forecasts of the Sacramento and San Joaquin Valley Water Year Type indexes are "Dry" and "Critical" respectively.

Selected Cities Precipitation Accumulation as of 04/30/2007 (National Weather Service Water Year: July through June)					
	Jul 1 to Date 2006 - 2007 (in inches)	% Avg	Jul 1 to Date 2005 - 2006 (in inches)	% Avg	% Avg Jul 1 to Jun 30 2006 - 2007
Eureka	34.16	96	57.46	161	89
Redding	21.22	68	44.39	143	63
Sacramento	11.52	60	25.21	132	57
San Jose	9.20	63	22.09	152	61
Fresno	5.98	56	14.20	134	53
Bakersfield	3.06	50	6.55	107	47
Los Angeles	3.21	22	12.34	84	21
San Diego	3.85	37	4.65	44	35

Key Reservoir Storage (1,000 AF) as of 04/30/2007								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	2,070	2,046	101	2,448	85	---	378
Shasta Lake	Sacramento	3,906	3,969	98	4,552	86	-646	646
Lake Oroville	Feather	3,084	2,934	105	3,538	87	-328	454
New Bullards Bar Res	Yuba	852	758	112	966	88	-40	114
Folsom Lake	American	736	726	101	977	75	-61	241
New Melones Res	Stanislaus	1,913	1,482	129	2,420	79	-307	507
Don Pedro Res	Tuolumne	1,612	1,470	110	2,030	79	-97	418
Lake McClure	Merced	670	605	111	1,025	65	-176	355
Millerton Lake	San Joaquin	294	365	81	520	56	-227	226
Pine Flat Res	Kings	635	608	104	1,000	63	-362	365
Isabella	Kern	231	223	104	568	41	-204	337
San Luis Res	(Offstream)	1,579	1,864	85	2,039	77	---	460

The latest National Weather Service Climate Prediction Center (CPC) 90-Day long-range seasonal weather outlook (for May through July), issued April 19, suggests average precipitation all of California. Temperatures are expected to be near normal for most of the State. Temperatures are expected to be above normal for the Central and Southern Sierra and for southeastern California. The latest CPC long-range weather for May, issued April 30, suggests average precipitation all of California. Temperatures are expected to be above normal for Southern to Central California and normal for Northern part of the State.

Summary of Water Conditions in California, May 1, 2007 (percent of average)

Hydrologic Region	Precip Oct 1- date	Snow Water Content	Reservoir Storage 30-Apr	Oct 1- date	Runoff Apr thru Jul Forecast	Water Year Forecast
North Coast	80	30	100	60	50	55
San Francisco Bay	75	--	90	30	--	--
Central Coast	50	--	105	10	--	--
South Coast	30	--	85	20	--	--
Sacramento River	65	30	105	55	45	55
San Joaquin River	65	30	110	55	40	45
Tulare Lake	60	20	105	50	35	40
North Lahontan	60	25	130	70	40	50
South Lahontan	30	5	115	95	50	55
Colorado River	15	--	--	--	--	--
Statewide	65	25	105	55	45	50
		Last Year, Statewide				
May 1, 2006	140	185	115	170	180	165